

MATERIAL NUMBER 1.4832 · CLASS 1.4

GX25CrNiSi20-14

Material no. 1.4832

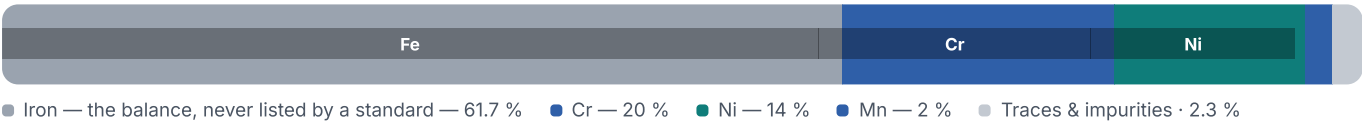
Chemical composition, mechanical and physical property values, and 3 standard designations from 2 regions.

DENSITY 7.85 g/cm³	OTHER DESIGNATIONS 3 in 2 regions	PROPERTY VALUES 10 on file
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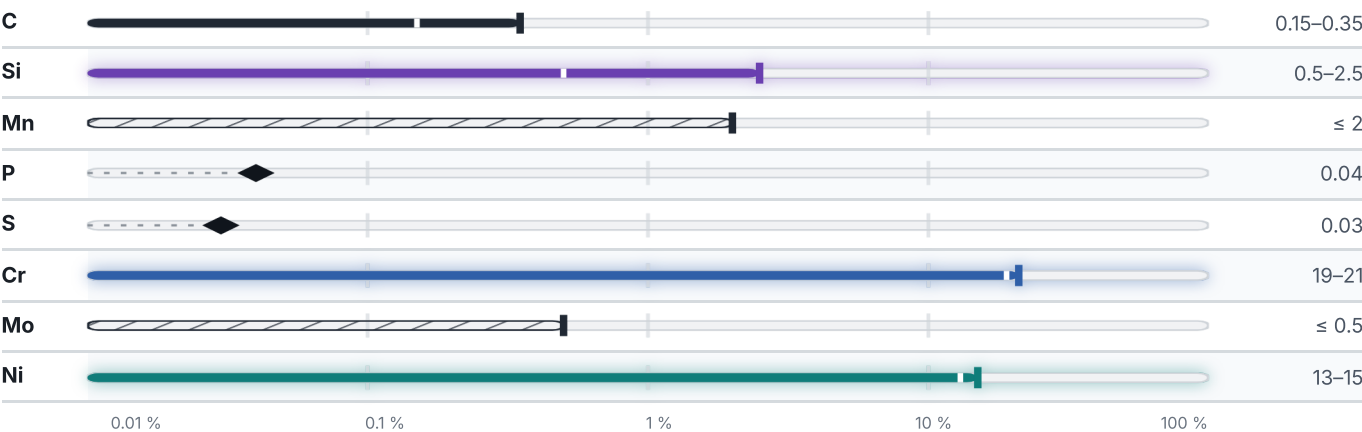
Chemical composition

Mass fraction in %

What this alloy is



Logarithmic scale, 0.01 % to 100 % — every value here compares directly, decade by decade.



The scale is logarithmic, not the element's raw share of the alloy — the only honest way to fit 0.01 % and 100 % in one picture, and it means every value here can be compared with every other.

Predicted transformation temperatures

This grade's composition falls outside the published model's validated range (a low-alloy composition window), so no transformation temperature is predicted here.

Mechanical properties					4 values across 1 conditions
NORMALIZING 1100 - 1150°C, AIR		RM N/mm ²	RE N/mm ²	A5 %	Z %
to 100		491	245	20	25

Physical properties			2 values
PROPERTY		VALUE	UNIT
Density		7.85	g/cm ³

Technological properties		
PROPERTY		VALUE UNIT
Weldability		without limitations.

Designations across standards				3 designations · 1 documented as identical
Russia / CIS		2	Europe	1
20KH20N14S2L	gost		GX25CrNiSi20-14	This grade's own name
20X20H14C2Л	gost			din-en

Note on use. The data is compiled to the best of our knowledge from publicly available standards and manufacturer documentation. It replaces neither material testing nor an inspection document to EN 10204. Please request a mill certificate to EN 10204 2.1, 3.1 or 3.2 together with your enquiry. The standard in its current valid edition always prevails.

Enquiry about GX25CrNiSi20-14

Quotation, availability, mill certificate or a technical question — directly on the material page.

[Start an enquiry](#)

DATASHEET ONLINE	GRADE SEARCH	MATERIAL NO.	ISSUED
View the material page	Search all grades	1.4832	Aug 20, 2026